WTCI-39-P

WC99-1176
1 WTC/89 - Renovation

MET LIFE

Revised 2/99

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
TENANT ALTERATION APPLICATION REVIEW REQUEST

DISTRIBUTION		
No.	To	Facility
1	QAD	5IN
1	D. Warren	PATC Zip43
1	S.P. Chiao	88 S
1	G. Daly	88 S
1	B. Brown	88 S
1	~~F. DeMartini~~/Nick Strenk - LERA	2 WTC 37th Fl
2 1	B. Devlin CADD Disk Set	2 WTC 37th Fl.
1	P. Negron	2 WTC 37th Fl
1	C. Semah	2 WTC 35th Fl

Facility 1 Floor 89 TAA No. 991176 Date 9/2/99

Application/Tenant MET. LIFE.

Consultant I.A. INTERIOR ARCHITECTS

Estimated Cost $40,000 Submittal No. One (1)

Description of Work
INTERIOR RENOVATION

Please review the attached (revised) application and send comments to:

Name: CARLO J. SAAVEDRA

Location: 1 WTC, 88S Phone No. 435-2922
Fax No.: 435-8168

9/16/99
Due Date

OFFICE COPY

Post-it® Fax Note 7671	Date 9/2	# of pages ▶
To C. SAAVEDRA	From CHRISTINE CHIAO	
Co./Dept. 1 WTC	Co. QAD	
Phone #	Phone # X 8567	
Fax # X 8168	Fax #	

TS
st
wings
cifications
onse
s

DESCRIPTION
09/02/99
QAD will not audit it
Mitch Glaber

[ ] Electrical
[ ] Utility > 600 V
[ ] Civil
[ ] Geotechnical
[ ] Environmental
[ ] Fueling
[ ] Radio Freq. Coord.
[ ] Corrosion Protection
[ ] Elevator/Escalator
[ ] Other

[ ] Catalog Cuts
[ ] Other

SPECIAL INSTRUCTIONS Self Certification
PLEASE ADVISE WITHIN 48 HRS IF the above mentioned T.A. will be AUDITED.

OFFICE COPY

Copy to: T. Koebel, J. Napolitano, E. Monteverde, J. Richardson, N. Seliga, F. Varriano
_____(Proj. Mgr.)
_____(Zone Prop. Mgr.)

PORT AUTHORITY OF N.Y. & N.J.
ENGINEERING DEPT. QUALITY ASSURANCE DIV.
DESIGN STANDARDS
Signature
SEP - 2 1999
WC99-1176
RECEIVED
ALTERATIONS APPLICATION
TENANT CONSTRUCTION REVIEW UNIT

PA 531
6-73

File Fee #
Contract #

THE PORT AUTHORITY OF NY & NJ
One World Trade Center, New York, N.Y. 10

For Port Authority use only	
FACILITY WTC 89	APPL NO. 99-1176
DATE 9/2/99	APPLICANT'S NAME Met Life

TENANT CONSTRUCTION OR ALTERATION APPLICATION

APPLICANT MUST READ THE TERMS AND CONDITIONS PRINTED ON THE REVERSE HEREOF

The Applicant shall not commence performance of any of the said work prior to the receipt by Applicant of a copy of this application duly signed in Part Two hereof on behalf of The Port Authority of New York and New Jersey. Upon receipt thereof, the Applicant agrees to perform said work in accordance with the following "Information to be Furnished by Applicant" and to comply with and be bound by all requirements and conditions set forth below under the remarks, if any, in Part Two hereof and the terms and conditions set forth on the reverse hereof.

PART ONE: Information to be furnished by Applicant (Refer to your lease or permit for required information)

Permission is hereby requested to perform the following described work on the space occupied by the Applicant

AT (FACILITY)	PURSUANT TO (LEASE, SPACE PERMIT) NUMBER	LOCATION (BUILDING NUMBER OR AREA) OF SPACE TO BE ALTERED
WTC	WTC-OL-92567.4	TOWER 1 89TH FLOOR

DESCRIPTION OF WORK AND REASON
REMOVE PORTIONS OF EXISTING DEMISING WALL, INSTALL WALL SYSTEMS TO ENCLOSE 2 OFFICES. INSTALL HAWORTH SYSTEMS FURNITURE WITH POWER/DATA/TELEPHONE, NEW CEILING GRID & TILE PAINT & CARPET. NEW MILLWORK SHELVING IN EXISTING SPACE. NO STRUCTURAL WORK.

ESTIMATED COST OF WORK	ESTIMATED TIME TO COMPLETE (DAYS)	STARTING DATE	COMPLETION DATE
$ 40,000.00	30 DAYS	09/06/99	9/31/99

Plans: Prints of each drawing must be submitted with copies of application. Include floor plan and show area affected by proposed work (size 8 1/2" x 11" or larger).

TITLE OF DRAWING	DRAWING NUMBER	DATED
SEE ATTACHED LIST OF DRAWINGS	—	—

NAME & ADDRESS OF CONTRACTOR (IF NOT KNOWN, SUBMIT LATER)

NAME AND ADDRESS OF ENGINEER OR ARCHITECT
IA INTERIOR ARCHITECTS
335 MADISON AVE
NEW YORK, NY 10017
ANTHONY SAVIANO - TECHNICAL DIRECTOR

TELEPHONE NUMBER (212) 682-6909
LICENSE NUMBER

SEND CORRESPONDENCE TO:
(NAME AND ADDRESS OF EMPLOYEE IN CHARGE OF WORK)
MARK WITTENBERG
335 MADISON AVE - SUITE 305
NEW YORK, NY
10017

TELEPHONE NUMBER 212 · 672-0290

ENGINEER OR ARCHITECT CERTIFICATION

I have supervised the preparation of plans and specifications for the entire work represented herein and hereby certify that they conform to the requirements of the respective enactments, ordinances, resolutions and regulations of the City, town or municipality in regard to construction and maintenance of buildings and structures and in regard to health and fire protection which would be applicable if the Port Authority were a private corporation.

ANTHONY V. SAVIANO — LICENSED ARCHITECT — 24352 — STATE OF NEW YORK

APPLICANT'S NAME (AS IT APPEARS ON LEASE OR PERMIT)
METROPOLITAN LIFE INSURANCE CO.

BY (SIGNATURE OF AUTHORIZED REP.)	TITLE	DATE	SIGNATURE OF LICENSED PROFESSIONAL ENGINEER OR ARCHITECT	DATE
X		8/24/99	X	8/25/99

The Contractor by signing below agrees to all the terms and conditions on this application and printed on the reverse side thereof, including #5 indemnifying the Port Authority, and further agrees to be bound by all riders and schedules attached to this application

☒ The Applicant must check here if the Professional Certification Program is elected for tenant construction or alteration at the World Trade Center.

Signature: _____ / / _____
(Contractor) Date

Signature: _____ 8/24/99
(Applicant Officer/Partner) Date

Address: _____

_____

OFFICE COPY

Please advise the undersigned, in writing, when this work has been completed.

PART TWO: Prepared by Port Authority and returned to Applicant

The above Application is ☐ Approved ☐ Disapproved. Subject to the following conditions:

☐ Continued on Rider "A," "B," "C," "F," and "G" (Rider G will be included only for the Professional Certification Program)

THE PORT AUTHORITY OF NY & NJ

INSPECTED BY | DATE / /

THE PORT AUTHORITY OF N.Y. & N.J.
ENGINEERING DEPT. QUALITY ASSURANCE DIV.
DESIGN STANDARDS

BY | TITLE | DATE

SEP - 2 1999
WC99-1176 (1)
RECEIVED
ALTERATIONS APPLICATION
TENANT CONSTRUCTION REVIEW UNIT

Professional Testing Laboratory Inc.

TEST REPORT

TEST NUMBER	0039811
DATE	04/11/96

CLIENT	NETWORX/DIV. OF SHAW IND.
TEST METHOD CONDUCTED	ASTM E648-94a Critical Radiant Flux of Floor Covering Systems Using A Radiant Heat Energy Source, also referenced as NFPA 253 and FTM Standard 372

DESCRIPTION OF TEST SAMPLE

IDENTIFICATION	59341 Resonance Square
COLOR	41440 Light Delft.
ROLL	165228-5
CONSTRUCTION	Tip Sheared Loop Pile
FIBER	DuPont Antron Legacy
BACKING	Perma Bac

"This test report relates to installation in accordance with the criteria set forth in the report. Any variation in the criteria may produce different results."

TEST RESULTS:

AVERAGE CRITICAL RADIANT FLUX	.52 Watts/Square Cm

OFFICE COPY

GENERAL PRINCIPLE:

This procedure is designed to measure the critical radiant flux at flame out, of horizontally mounted floor covering systems exposed to a flaming ignition in a test chamber which provides a graded radiant heat energy environment. The imposed radiant flux simulates the thermal radiation levels likely to impinge on the floors of a building whose upper surfaces are heated by flames of compartment. The test result is an average critcal radiant flux (watts/square cm) which indicates the level of radiant heat energy required to sustain flame propagation in the flooring system. Theoretically, if a room fire does not impose a radiant flux that exceeds this critical level on a corridor floor covering system, flame spread will not occur.

DESIGN STANDARDS
SEP - 2 1999
W-99-1176 (1)
RECEIVED
ALTERATIONS APPLICATION
PLANT CONSTRUCTION REVIEW UNIT

This facility is accredited by the National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under Lab Code 100297. This accreditation does not constitute an endorsement, certification, or approval by NIST or any agency of the United States Government for the product tested. This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. This report applies only to those samples tested and is not necessarily indicative of apparently identical or similar products. This report, or the name of Professional Testing Laboratory, Inc., shall not be used under any circumstance in advertising to the general public.

714 Glenwood Place Dalton, GA 30721 706-226-3283 Fax: 706-226-678

Professional Testing Laboratory Inc.

TEST REPORT

TEST NUMBER	0039811
DATE	04/11/96

CLIENT	NETWORX/DIV. OF SHAW IND.
TEST METHOD CONDUCTED	ASTM E648-94a Critical Radiant Flux of Floor Covering Systems Using A Radiant Heat Energy Source, also referenced as NFPA 253 and FTM Standard 372

DESCRIPTION OF TEST SAMPLE

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"This test report relates to installation in accordance with the criteria set forth in the report. Any variation in the criteria may produce different results."

FLOORING SYSTEM ASSEMBLY

SUBSTRATE	Mineral-Fiber/Cement Board
UNDERLAYMENT	Direct Glue Down
ADHESIVE	Sureset 5000

CONDITIONING	Each test sample was conditioned a minimum of 96 hours at 70 ± 5° F and 50 ± 5% relative humidity.

TEST RESULTS:

TEST DATA	DISTANCE BURNED	TIME TO FLAME OUT	CRITICAL RADIANT FLUX
SPECIMEN 1	41 cm	30 minutes	.48 watts/sq cm
SPECIMEN 2	38 cm	34 minutes	.53 watts/sq cm
SPECIMEN 3	37 cm	39 minutes	.55 watts/sq cm

AVERAGE CRITICAL RADIANT FLUX	.52 watts/sq cm
STANDARD DEVIATION	.04 watts/sq cm
COEFFICIENT OF VARIATION	7%

APPROVED BY: Gary Asbury

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NVLAP

714 Glenwood Place Dalton, GA 30721 706-226-3283 Fax: 706-226-6787

Professional Testing Laboratory Inc.

TEST REPORT

TEST NUMBER	0039811
DATE	04/11/96

CLIENT	NETWORX/DIV. OF SHAW IND.
TEST METHOD CONDUCTED	ASTM E662-93 Specific Optical Density of Smoke Generated by Solid Materials, also referenced as NFPA 258

DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	59341 Resonance Square
COLOR	41440 Light Delft
ROLL	165228-5
CONSTRUCTION	Tip Sheared Loop Pile
FIBER	DuPont Antron Legacy
BACKING	Perma Bac

TEST RESULTS:

FLAMING	320

GENERAL PRINCIPLE:

This procedure is designed to measure the specific optical density of smoke generated by the test specimen within a closed chamber. Each specimen is exposed to an electrically heated radiant-energy source positioned to provide a constant irradiance level of 2.5 watts/square cm on the specimen surface. Measurements are recorded through a photometric system employing a vertical beam of light and a photo detector positioned to detect the attenuation of light transmittance caused by smoke accumulation within the chamber. The light transmittance measurements are used to calculate specific optical density, a quantitative value which can be factored to estimate the smoke potential of materials. Two burning conditions can be simulated by the test apparatus. The radiant heating in the absence of ignition is referred to as the Non-Flaming Mode. A flaming combustion in the presence of supporting radiation constitutes the Flaming Mode.

This facility is accredited by the National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under Lab Code 100197. This accreditation does not constitute an endorsement, certification, or approval by NIST or any agency of the United States Government for the products tested. This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. This report applies only to those samples tested and is not necessarily indicative of apparently identical or similar products. This report, or the name of Professional Testing Laboratory, Inc., shall not be used under any circumstances in advertising to the general public.

714 Glenwood Place Dalton, GA 30721 706-226-3283 Fax: 706-226-6787

Professional Testing Laboratory Inc.

TEST REPORT

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DATE	04/11/96

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DESCRIPTION OF TEST SAMPLE

IDENTIFICATION	59341 Resonance Square
COLOR	41440 Light Delft
ROLL	165228-5
CONSTRUCTION	Tip Sheared Loop Pile
FIBER	DuPont Antron Legacy
BACKING	Perma Bac

CONDITIONS

PREDRYING OF TEST SAMPLE CONDITIONING OF TEST SAMPLE	24 Hours at 140 degrees F 24 Hours at 70 degrees F and 50% relative humidity		
FURNACE VOLTAGE CHAMBER TEMPERATURE TEST MODE	109 V 95 degrees F Flaming	IRRADIANCE CHAMBER PRESSURE	2.5 watts/sq cm 3" H20

TEST RESULTS:

AVERAGE MAXIMUM DENSITY CORRECTED (Dmc)		320	
TEST SPECIMEN	1	2	3
Maximum Density (Dm)	366	369	396
Time to Dm (minutes)	10.3	10.0	10.0
Clear Beam (Dc)	67	51	53
Corr. Max Density (Dmc)	299	318	343
Density at 1.5 minutes	1	1	1
Density at 4.0 minutes	185	191	209
Time to 90% Dm (minutes)	7.7	5.8	5.4
Specimen Weight (grams)	30.8	30.2	30.2

AVERAGE SPECIFIC OPTICAL DENSITY AT 4.0 MINUTES: 195

APPROVED BY: Gary Calvary

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NVLAP

714 Glenwood Place Dalton, GA 30721 706-226-3283 Fax: 706-226-6787

BASKETWEAVE

Systems Fabric

Grade B PLACES®| UniGroup®

Refer to Price List for current specification information.

SPECIFICATION INFORMATION

Color Code	Color Name
F-6K	Baby Blue
F-7M	Birch
F-6X	Bluegrass
F-7J	Buff
F-AL	Feather Blue
F-AJ	Feather Gray
F-6J	French Blue
F-2E	Ivory
F-6Y	Lavender
F-EA	Natural
F-ED	Orchid
F-EC	Oyster
F-AF	Parchment
F-AH	Soft Lavender
F-JX	Sterling
F-EH	Verdigris

All colorways are subject to dye lot variation.

TECHNICAL INFORMATION

Weight:	20.0 oz. ± 10% per linear yard
Width:	66"
Content:	100% Recycled Polyester
Backing:	N/A
Directional:	No
Flammability:	ASTM-E-84
	PASS Class A, Haworth Panel
Light Fastness:	AATCC-16A; 40 hours

Note: F-6Y Lavender and F-6X Bluegrass are NOT 100% Recycled

HAWORTH®

furniture for what's next®

Haworth, Inc., One Haworth Center
Holland, Michigan 49423-9576 USA

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Haworth products and services,
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(US and Canada) or (616)393-3000

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0798 #2951

THE PORT AUTHORITY OF NY & NJ

ONE WORLD TRADE CENTER
NEW YORK, NY 10048

THE PORT AUTHORITY OF NY & NJ
(212) 435-4000
QUALITY ASSURANCE DIV.
ENGINEERING DEPT.
SEP 27 1999
RECEIVED
NOTED
REFERRED TO NY99-1176

September 17, 1999

Mark Wittenberg
335 Madison Avenue – Suite 305
New York, N.Y. 10017

Re: Metropolitan Life Insurance Co. – One World Trade Center – 89th Floor
TAA – 991176 – Renovation – Submission One – Self Certification
Release for Construction

Dear Mr. Wittenberg:

This letter responds to your transmittal dated September 2, 1999, requesting a review of the documents listed on Attachment A to this letter. Tenant Alteration Application 991176 is Released for Construction under the Professional Certification Program.

Notification of any comments generated as a result of this review will soon be issued.

This TAA will not be audited by the Quality Assurance Division.

Any changes to the scope of work under this application must be submitted to the Port Authority for review prior to the commencement of any associated work. Only contract documents reviewed by this office are to be released to the field for construction.

The certifying Licensed Professional referred to in Tenant Alteration Application shall contact Mr. Frank DeMartini in writing, at One World Trade Center, 88E, New York, N.Y. 10048, 72 hours prior to start of construction, to schedule a preconstruction meeting. Work scheduling and compliance with Port Authority requirements pertaining to construction work to be performed on the premises will be discussed at the meeting. Mr. DeMartini's telephone number is (212) 435-3212; fax number is (212) 435-2408.

All correspondence or inquiries should be directed to Carlo J. Saavedra, Project Manager, at The Port Authority, One World Trade Center, 88 South, New York, N.Y. 10048, (212) 435-2922; fax (212) 435-8168.

Sincerely,

Joseph Napolitano,
Project Manager, Design Build
Supervisor, Tenant Alteration Applications
The World Trade Department

/cnb

bcc: S. Bhol, B. Benacchio, J. Castaldo, A. Fadavi, T. Koebel, E. Moscovitz, J.Picone, S. Murray, J. Napolitano, J. Ruiz, Carlo J. Saavedra, Central File, Chrono File

THE PORT AUTHORITY OF NY & NJ

WORLD TRADE CENTER
YORK, NY 10048

(212) 435-7000
(973) 961-6600

Attachment A - List Of Documents
TAA 991197 - Submission One
Metropolitan Life Insurance Co.

Drawing	Title	Date
AN-1	Notes and Legend	8/25/99
An-2	Notes	8/25/99
AN-3	Notes	8/25/99
AN-4	ADA Notes	8/25/99
A.0-A.1	Demolition & Construction	8/25/99
A.2-A.3	Power & Telephone & Reflected Ceiling Plan	8/25/99
A.4-A.5	Finish and Furniture Plan	8/25/99
A 7.1	Interior Elevations	8/25/99
A 8.1	Details	8/25/99
A 8.2	Details	8/25/99
E-1	Power Plan – Symbol List & Legend	8/12/99
E-2	Lighting Plan	8/12/99
E-3	Electrical Specifications	8/12/99
E-4	Electrical Specifications	8/12/99
M-1	HVAC Plan	8/12/99
M-2	HVAC Specifications	8/12/99
SP-1	Sprinkler Plan, Notes & Details	8/12/99
SP-2	Sprinkler Specifications	8/12/99

Attachment B- List of Comments
TAA – 991176 – Submission One
Self Certification – Release for Construction
Metropolitan Life Insurance Corporation

WORLD TRADE DEPARTMENT

Fire Safety

Note: (BBFAS) Base Building Fire Alarm System

1. Add standard WTC BBFAS demolition note.

2. Preserve existing base building, fire alarm equipment before, during and after demolition. No device, appliance, wiring or other BBFAS equipment is to be removed or disabled until such time as replacement equipment is operational prior to demolition work. The WTC BBFAS maintenance supervisor shall be contacted at 435-5005. For coordination purposes, only the WTC BBFAS maintenance contractor (Siemens-Cerberus Division/Special Projects) is authorized to effect work on existing BBFAS equipment.

3. *Engineer to provide wiring of and details for relocation of existing speakers* including retesting of all cables in accordance with WTC BBFAS guidelines. (Attachment "C" test documents).

4. Contractor to coordinate with WTC BBFAS maintenance supervisor at 435-5005 prior to working on existing BBFAS equipment.

5. Contractor to submit completed wire test reports to WTC BBFAS maintenance supervisor at (FAX) 212-435-5717 24 hours prior to tie in.

HVAC

7. Drawing M-1F: Reduce interior air supply from 1.5 cfm/sf(225 cfm each diffuser) to 0.84 cfm/sf (125 cfm each diffuser) which is the maximum permitted by the base building air system. Provide the supplementary air conditioning unit as needed.

FIRE PROTECTION

8. Drawing SP-2: Revise the sprinkler piping specification as follow:

   All wet system sprinkler piping shall be standard weight, schedule 40 black steel pipe, conforming to ASTM A795/A53 with threaded cast iron fittings, Class 125, or malleable iron fittings, Class 150. Schedule 10 pipes, grooved piping, and *mechanical grooved fittings are not permitted. Victaulic fittings are not permitted* to be used for size 3 in. and under unless otherwise approved.

Attachment B- List of Comments
TAA – 991176 – Submission One
Self Certification – Release for Construction
Metropolitan Life Insurance Corporation

ELECTRICAL

9. E-1 Note 8 contradicts with general notes for power and phone on sheet An-3 #12.

10. E-1 Note 9 should add the word inspectors or P.M. at end of sentence.

11. E-1 Note 14 should have the word inspector or P.M. after Port Authority.

12. E-1 Note referring to electrical closet indicates the wrong closet, which is E.C. closet only have emergency raiser. All circuit removal and new circuit should be directed to E-S closet.

13. E-2 Emergency list should have at least a 90 minute power pack.

14. E-2 Note referring to exit light connection should indicate the connection to base building exit raiser.

15. E-3 Raceways (B) the word (none pvc (sealtite) should replace sealtite.

ARCHITECTURAL

16. Drawing AN-2. Add on to note. Architect of record shall submit the As-Built drawings to the Port Authority manager at the conclusion of the project which shall comprise of Mylar sepias and CAD diskettes 3-1/2", 1.44 mega bytes floppy. The Mylar sepias shall be stamped "As-Built."

17. Drawing AN-3. Add/or revise note as per the Port Authority World Trade Center architectural design guidelines.

18. Drawing A7.1. elevation #2. Indicate the glass markings on the elevations as per BS&A regulations, Cal 501-68-SR.

End of comments
091699

WC99-1176
1 WTC/89 - Renovation

MET LIFE